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Anmelder: Asea Brown Boveri Aktiengesellschaft Kallstadter Strasse 1 D-6800 Mannhelm-Käfertal(DE)

22 Erfinder: Runtsch, Erhard Karlsbader Strasse 17 D-6944 Hemsbach(DE) Erfinder: Velten, Walter Carl-Goerdeler Strasse 1 D-6830 Schwetzingen(DE) Erfinder: Goehle, Rolf Im Bubenwingert 16 D-6906 Leimen(DE)

Erfinder: Schmitt, Hermann

Im Vogelskorb 1

D-6803 Edingen-Neckarhausen(DE)

Erfinder: Greefe, Klaus Hausserstrasse 55 D-6900 Heidelberg(DE) Erfinder: Kymke, Dietmar Maria-Probst-Strasse 15 D-6903 Neckargemünd(DE)

Vertreter: Rupprecht, Klaus, Dipl.-ing. et al c/o Asea Brown Boveri Aktiengeselischaft Zentralbereich Patente Postfach 100351 D-6800 Mannheim 1(DE)

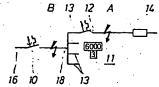
Selektive Kurzschlussstromschutzelnrichtung.

Selektiver Hauptsicherungsautomat
Bei bekannten selektiven HauptsicherungsautoMaten wird die Trennstelle im Hauptstrompfad periodisch geschlossen, wodurch bei einer Kurzschlußstromaßschaltung in einem bestimmten Kurzschlußstrombereich daraus höhere Durchlaß-Pt-Werte resultieren.

Diesem Problem wird abgeholfen dadurch, daß nach erfolgter Begrenzung des ersten Kurzschlußimpulses die Rückschließung der Hauptkontaktstelle erst bei Nennbetriebsverhältnissen erfolgt und von einer in einem parallel zum Hauptstrompfad geschal-

teten Nebenstrompfad befindlichen Selektivitätseinrichtung (33) zeitgesteuert ist.

Bevorzugtes Anwendungsgebiet des neuen selektiven Hauptsicherungsautomaten sind Niederspannungsverteileranlagen insbesondere Gebäudeinstallationen.



10/02/2005

No active trail







Selective protective device against short-circuit currents (EP0350829B1)

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EP0350829B1: Selective protective device against short-circuit currents[German][French] Ø Title:

Selective short-circuit current protection in distribution network - involves limitation of initial fault current

Perwent Title:

pulse followed by main contactor reclosure using timed selectivity switch (Derwent Record)

**B1** Patent <sup>I</sup> (See also: <u>EP0350829A2, EP0350829A3</u>) **EP** European Patent Office (EPO) ® Kind: 8 Country

Runtsch, Erhard; P Inventor

felten, Walter,

Schmitt, Hermann, Goehle, Rolf,

Greefe, Klaus,

Dymke, Dietmar;

Asea Brown Boveri Aktiengesellschaft Assignee:

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**1995-11-29** / 1989-07-10 Published / Filed:

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Number:

H01H 71/10; H02H 3/02; PIPC Code: **H01H71/10F**; H02H7/30; PECLA Code:

DE1988003823975 1988-07-Priority Number:

circuit-breaker In known selective automatic main circuit-breakers, Selective automatic main [From equivalent EP0350829A2] Abstract:

the disconnection point in the main current path is periodically

closed, resulting in higher 12t let-through values given a short-circuit

Resolution 15 pages Resolution ĕ,

current disconnection in a given short-circuit current range. This problem is remedied, in that, after the first short-circuit pulse has been limited, the re-closing of the main contact point is carried out only given nominal operating conditions, and is time-controlled by a selectivity device (33) located in a shunt current path connected in parallel with the main current path. Preferred application area of the novel selective automatic main circuit-breaker are low-voltage distribution systems, especially building installations.

Selective protective device against short-circuit currents (EP0350829B1)

PAttorney, Agent Rupprecht, Klaus, Dipl.-Ing. et al

or Firm:

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PDF	Publication	ication   Pub. Date	Filed Title	Title
₩.	EP0350829B1	1995-11-29	1989-07-10	0829B1 1995-11-29 1989-07-10 Selective protective device against short-circuit currents
×	EP0350829A3	1991-07-17	1989-07-10	0829A3 1991-07-17 1989-07-10 Selective protective device against short-circuit currents
<b>Z</b>	EP0350829A2	1990-01-17	1989-07-10	0829A2 1990-01-17 1989-07-10 Selective protective device against short-circuit currents
M	DE58909512C0	1996-01-11	1989-07-10	09512C0 1996-01-11 1989-07-10 KURZSCHLUSSSTROMSCHUTZEINRICHTUNG.
Ø	DE3823975A1	1990-01-18	1988-07-15	DE3823975A1   1990-01-18   1988-07-15   Selektive Kurzschlussstromschutzeinrichtung
N	AT0130957E	1995-12-15	1989-07-10	0957E 1995-12-15 1989-07-10 KURZSCHLUSSSTROMSCHUTZEINRICHTUNG.
6 family me	6 family members shown above	)ve		

P Description Expand description

Die Erfindung betrifft einen selektiven Hauptsicherungsautomat gemäß dem Oberbegriff des Anspruches 1.

- + 1. Einschalten auf Nennbetrieb
  - + 2. Einschalten auf Leerlauf
- + 3. Einschalten auf Kurzschlußstrom

breaker (10) for the selective disconnection of short-circuit current in being used for the selectively staggered protection of the loads (14) protected loads (14), the main protective miniature circuit-breaker 1. Selective main protective miniature circuitelectrical distribution networks which each have individually Show all claims ₽ First Claim:

10/02/20/05

Selective protective device against short-circuit currents (EP0350829B1)

point (26) which is arranged in the main current path (24) and has at naving a main current path (24) and having an auxiliary current path short circuit, of the main contact point (26) latches into place, in that 34) which is connected in parallel therewith, having a main contact characterized in that a latching device (29) is provided, in which the novable contact element (27), which is struck open as a result of a arranged in the main current path (24) and cooperates with a main auxiliary current path (34) a second overcurrent release (38) which osition, as a result of which the load network (13) is isolated from short-circuit current that is present, automatically brings about the elease (32) arranged in the main current path (24), and having in s connected in series with the coil (35), cooperates with the main current path (24) at the terminals (20, 22) has a selectivity device connected to a manual switching handle (42) and an overcurrent contact element of the main contact point (26) and is operatively switching mechanism (28) and, in the event of tripping due to a prings about, in a time-controlled manner, the unlatching of the electivity device (33) which is excited by a short-circuit current 33) which cooperates with the latching device (29), in that the pening of a further contact point (40) arranged in the auxiliary switching mechanism (28) which is connected to the movable ne auxiliary current path (34) which is connected to the main novable contact element, and in that there is arranged in the electromagnetic instantaneous release (30) which is likewise current path (34) as well as the further opening of the contact east one fixed and one movable contact element, having an element (27) of the main contact point (26) right into the "off" each case one incoming and one outgoing terminal (20, 22) he supply network (16)

**DERABS G90-016177** German] [French]

POther Abstract









lominate this for the Gallery...

10/07/000

THOMSON

Selective protective device against short-circuit currents (EP0350829B1)

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